Information Technology and Network Systems

2I4 HIGH SCHOOL DISTRICT

9	**10**	**11**	**12**
Information Technology and Network Systems	Computer Programming Mobile APP Development and Networking	College IT Fundamentals (DC) College A+ Operating Systems Technology (DC)	College A+ Hardware (DC) College Computer Networking (DC)	Advanced Network Systems and Cybersecurity

High School District 214 Graduation Requirements

Subject	Courses	Credits
English	English | English | English | English Course Descriptions Section - Page 223	**4.0** credit units
Mathematics	Mathematics | Mathematics | Mathematics | Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 251	**3.0** credit units
Social Science	Social Science | Social Science | Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 269	**2.0** credit units
Science	Science | Science | Science (Recommended) Course Descriptions Section - Page 261	**2.0** credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 275	**1.0** credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 239	**0.5** credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 288, Economics (07830) - Page 273, Consumer Education (59940) - Page 274.	**0.25** credit unit
Physical Education	Physical Education | Health | Physical Education | Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 309 Refer to page 327 in Academic Policies and Procedures section regarding substitutions for physical education.	✳

Post Secondary

◼ Career Related Electives
- AP Calculus
- AP Computer Science Principles
- AP Physics
- AP Statistics
- Robotics

◼ Career Related Activities for the Information Technology and Network Systems pathway
- Athletics
- Computer Clubs
- District Career Days
- District Career Nights
- District Career Treks
- Math Team
- Robot Rumble
- Theater Tech Crew
- Wildstang FIRST Robotics

◼ Four-Year University Admission Requirements
- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill.Adm. Code Section 1.425).

Moraine Valley/IT Partnership

Cybersecurity, which offers a growing number of careers across a variety of industries, is an expanding area of study for District 214. To help students be prepared as possible in this area, the District partners with Moraine Valley Community College to offer strategic college credits in cybersecurity.

The college partners with District 214 on two courses: Orientation to IT Professions and Security Awareness. Students can earn college credit in both courses. Additionally, District 214 has worked with Moraine Valley to offer a capstone apprenticeship program to students who complete the college's coursework for the Network Security Specialist Certificate as well as on-the-job training as apprentices employed by District 214's Technology Department.

Moraine Valley is home to the Center for Systems Security and Information Assurance, and was among the first six community colleges in the nation to be recognized as a Center of Academic Excellence 2-Year, a top designation by the National Security Agency and Department of Homeland Security, making it a valuable partner for District 214.